

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT/EP 03/04718

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B13/20 G02B3/04 F21V5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B F21V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 36 02 262 A (BOSCH GMBH ROBERT) 14 May 1987 (1987-05-14) column 5, line 20 - line 63; figures 6,9A-9D	1,2,4,6, 7
A	DE 40 31 352 A (BOSCH GMBH ROBERT) 9 April 1992 (1992-04-09) column 2, line 56 - line 63 column 3, line 40 - line 57; figure 1	1,2,6-9
A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 406 (P-930), 8 September 1989 (1989-09-08) & JP 01 147403 A (OLYMPUS OPTICAL CO LTD), 9 June 1989 (1989-06-09) abstract	1,2,4,6, 7
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

31 July 2003

Date of mailing of the international search report

07/08/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 325 (M-1148), 19 August 1991 (1991-08-19) & JP 03 122902 A (KOITO MFG CO LTD), 24 May 1991 (1991-05-24) abstract	1,4,6,7
A	US 1 370 885 A (FREDERICK CHARLES W ET AL) 8 March 1921 (1921-03-08) page 2, line 10 - line 41 page 2, line 82 - line 89 page 3, line 55 - line 70; figures 2-6,8	1,4,6

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Information on patent family members

Intern: Application No

PCT/EP 03/04718

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 3602262	A	14-05-1987	DE 3602262 A1	14-05-1987
			DE 3650408 D1	02-11-1995
			EP 0221416 A2	13-05-1987
			JP 2509194 B2	19-06-1996
			JP 62113301 A	25-05-1987
			US 5014173 A	07-05-1991
			US 4796171 A	03-01-1989
DE 4031352	A	09-04-1992	DE 4031352 A1	09-04-1992
JP 01147403	A	09-06-1989	NONE	
JP 03122902	A	24-05-1991	JP 8017045 B	21-02-1996
US 1370885	A	08-03-1921	NONE	

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